

Nicholas Andrew Hamblet

CONTACT INFORMATION

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EDUCATION

- **University of Virginia**, Charlottesville, Virginia.
June 2004-Present. Ph.D. Candidate, Dept. of Mathematics. Advisor: Dr. Gregory Arone.
M.S., May 2006. Discipline: Mathematics.
- **Lebanon Valley College**, Annville, Pennsylvania.
B.S., May 2004. Majors: Mathematics and Computer Science. Graduated *Cum Laude*.

TEACHING EXPERIENCE

- **Instructor**: Calculus II, Fall 2008 – Fall 2009 (University of Virginia). Taught classes (and am teaching a class) of approximately 35 undergraduate students. Responsible for structuring the class, lecturing, assigning and grading homework and projects, grading exams, assigning final grades, and conducting office hours. Also ran weekly discussion sections for the Fall 2008 semester class. In addition to the 3 usual semesters, I taught a Summer session of this course, which met for approximately two hours a day for four weeks.
- **Instructor**: Calculus I, Fall 2006 – Fall 2007 (University of Virginia). Taught Calculus for classes of approximately 35 natural science undergraduate students. Responsible for lecturing, assigning and grading homework, grading exams, and assigning final grades, as well as conducting office hours. Also ran weekly discussion sections for the Fall 2006 and Spring 2007 semester classes. Recognized by the department chair for outstanding evaluations for the Spring 2007 semester.
- **Instructor**: Applied Calculus I, Fall 2005 – Spring 2006 (University of Virginia). Taught Calculus for classes of approximately 40 undergraduate students. Responsible for lecturing, assigning and grading homework, grading exams, and assigning final grades, as well as conducting office hours. Acted as exam creation coordinator for several other sections of this class during the spring 2006 semester.
- **Teaching Assistant**: Single Variable Calculus, Fall 2004; Multivariate Calculus, Spring 2005 (University of Virginia). Conducted weekly one-hour discussion sections for undergraduate students in the Applied Mathematics department. Responsible for creating and grading weekly quizzes as well as grading portions of exams.

WORK EXPERIENCE

- ***WeBWork* System Administrator.** Worked as the student administrator for the *WeBWork* online homework evaluation system at the University of Virginia, covering for the regular administrator being on leave. This involved setting up courses, and working with instructors on anything they needed for their courses. Fall 09 - Current.
- **Freelance Programmer and Quality Tester.** Worked under the direction of Sam Hathaway and Julie Lindstrom of the Bedford, Freeman, and Worth Publishing Group to debug and expand a collection of Webwork problems for Rogawski's Calculus textbook. Also did quality assurance testing for an online solution set manager to accompany this textbook, and submitted editing suggestions for a chapter of the book going into its second edition. October 2008 - Current.
- **Cavalier Academic Support Team Tutor.** Tutor at a drop-in tutoring center for student athletes at the University of Virginia. Topics included calculus, linear algebra, and introductory computer science. January 2008 - April 2008.
- **Racquetball Instructor.** Instructor for the Lifetime Physical Activity racquetball class (20 students), offered as part of the Physical Education program at the University of Virginia. August 2007 - December 2007.
- **Assistant to *WeBWork* System Administrator.** Gained experience working with the *WeBWork* online homework evaluation system under the guidance of Dr. Jeff Holt at the University of Virginia. Primarily focused on problem library upkeep. Fall 2006 - Fall 2007.
- **Student Technician.** Worked for IT Services at Lebanon Valley College under the supervision of Michael Zeigler and Todd Gamble. Responsible for technical support to faculty and staff, as well as new computer setup and computer lab maintenance. July 2003 - May 2004.

PRESENTATIONS

- **An Introduction to *WeBWork***
Teaching Seminar, University of Virginia, October 2009.
- **Curious Constants**
Graduate Seminar, University of Virginia, February 2009.
- **Origami Numbers**
Graduate Seminar, University of Virginia, October 2008.
- **The poset of linear subspaces of \mathbb{R}^n**
Topology Seminar, University of Virginia, February 2008.
- **A First Chapter on p-adics.**
Graduate Seminar, University of Virginia, February 2008.

- **An Introduction to \LaTeX .**

Guest Speaker, Albemarle High School, Charlottesville, Virginia. Five classes, December 2007 - January 2008.

- **An Application of Orthogonal Calculus to Configuration Spaces.**

Topology Seminar, University of Virginia, September 2007.

- **Visualizing the Hopf Fibration.**

Undergraduate Poster Session, Joint AMS/MAA meeting, Baltimore, Maryland. January 2003.

RESEARCH EXPERIENCE

- **Workshop on Algebraic Topology - Calculus of Functors and Applications,** Lens, France, Summer 2006. Attended the invited lectures and participated in exercise sessions.

- **Student Researcher,** Lebanon Valley College, Summer 2002. Worked under Dr. David Lyons to gain an understanding of the Hopf fibration, and create tools to help visualize some of its properties.

AWARDS

- Honorable Mention, Department Teaching Award, University of Virginia, Fall 2008.
- Departmental Research Fellowship, University of Virginia, Spring 2008.
- Outstanding Senior in Mathematics, Lebanon Valley College, Spring 2004.
- Outstanding Senior in Computer Science, Lebanon Valley College, Spring 2004.
- Outstanding Freshman in Mathematics, Lebanon Valley College, Spring 2000.